# rer nat Kunal Bhattacharya

List of Publications by Year
in descending order



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|---|---|---|---|
| 49 papers | 2,176 citations | 236925 25 h-index | 233421 45 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 4013 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Anti-obesity activity of polyherbal formulation Divya-Medohar-Vati by inhibition of pancreatic lipase activity and triglyceride translocation through enterocytes. Phytomedicine Plus, 2022, 2, 100194. | 2.0 | 1 |
| 2 | Comprehensive Phytochemical Profiling of Polyherbal Divya-Kayakalp-Vati and Divya-Kayakalp-Oil and Their Combined Efficacy in Mouse Model of Atopic Dermatitis-Like Inflammation Through Regulation of Cytokines. Clinical, Cosmetic and Investigational Dermatology, 2022, Volume 15, 293-312. | 1.8 | 0 |
| 3 | Herbo-metallic ethnomedicine â€˜Malla Sindoorâ€™ ameliorates lung inflammation in murine model of allergic asthma by modulating cytokines status and oxidative stress. Journal of Ethnopharmacology, 2022, 292, 115120. | 4.1 | 2 |
| 4 | Livogrit Prevents Methionine-Cystine Deficiency Induced Nonalcoholic Steatohepatitis by Modulation of Steatosis and Oxidative Stress in Human Hepatocyte-Derived Spheroid and in Primary Rat Hepatocytes. Bioengineered, 2022, 13, 10811-10826. | 3.2 | 7 |
| 5 | Livogrit ameliorates acetaldehyde-induced steatosis in HepG2 cells through modulation of lipogenesis and Î²-oxidation pathways. Phytomedicine Plus, 2021, 1, 100067. | 2.0 | 7 |
| 6 | Modulation of psoriatic-like skin inflammation by traditional Indian medicine Divya-Kayakalp-Vati and Oil through attenuation of pro-inflammatory cytokines. Journal of Traditional and Complementary Medicine, 2021, , . | 2.7 | 2 |
| 7 | Divya-Arjuna-Kwath (Terminalia arjuna) and Divya-HridyAmrit-Vati ameliorate isoproterenol-induced hypertrophy in murine cardiomyocytes through modulation of oxidative stress. Phytomedicine Plus, 2021, 1, 100074. | 2.0 | 2 |
| 8 | Development of Microfluidic, Serum-Free Bronchial Epithelial Cells-on-a-Chip to Facilitate a More Realistic In vitro Testing of Nanoplastics. Frontiers in Toxicology, 2021, 3, 735331. | 3.1 | 7 |
| 9 | Tri-Herbal Medicine Divya Sarva-Kalp-Kwath (Livogrit) Regulates Fatty Acid-Induced Steatosis in Human HepG2 Cells through Inhibition of Intracellular Triglycerides and Extracellular Glycerol Levels. Molecules, 2020, 25, 4849. | 3.8 | 10 |
| 10 | Polyherbal Medicine Divya Sarva-Kalp-Kwath Ameliorates Persistent Carbon Tetrachloride Induced Biochemical and Pathological Liver Impairments in Wistar Rats and in HepG2 Cells. Frontiers in Pharmacology, 2020, 11, 288. | 3.5 | 9 |
| 11 | Application of Zebrafish Model in the Suppression of Drug-Induced Cardiac Hypertrophy by Traditional Indian Medicine Yogendra Ras. Biomolecules, 2020, 10, 600. | 4.0 | 9 |
| 12 | A 21-day sub-acute, whole-body inhalation exposure to printer-emitted engineered nanoparticles in rats: Exploring pulmonary and systemic effects. NanoImpact, 2019, 15, 100176. | 4.5 | 16 |
| 13 | Anti-Inflammatory and Anti-Arthritic Efficacies of an Indian Traditional Herbo-Mineral Medicine â€œDivya Amvatari Rasâ€•in Collagen Antibody-Induced Arthritis (CAIA) Mouse Model Through Modulation of IL-6/IL-1Î²/TNF-Î±/NFÎºB Signaling. Frontiers in Pharmacology, 2019, 10, 659. | 3.5 | 21 |
| 14 | Cytokines Driven Anti-Inflammatory and Anti-Psoriasis Like Efficacies of Nutraceutical Sea Buckthorn (Hippophae rhamnoides) Oil. Frontiers in Pharmacology, 2019, 10, 1186. | 3.5 | 19 |
| 15 | Toxicological effects of ingested nanocellulose in in vitro intestinal epithelium and in vivo rat models. Environmental Science: Nano, 2019, 6, 2105-2115. | 4.3 | 93 |
| 16 | Herbo-mineral formulation â€˜Ashwashilaâ€™ attenuates rheumatoid arthritis symptoms in collagen-antibody-induced arthritis (CAIA) mice model. Scientific Reports, 2019, 9, 8025. | 3.3 | 25 |
| 17 | Development & characterization of fluorescently tagged nanocellulose for nanotoxicological studies. Environmental Science: Nano, 2019, 6, 1516-1526. | 4.3 | 21 |
| 18 | Development of a standardized food model for studying the impact of food matrix effects on the gastrointestinal fate and toxicity of ingested nanomaterials. NanoImpact, 2019, 13, 13-25. | 4.5 | 77 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nitric Oxide Dependent Degradation of Polyethylene Glycolâ€Modified Singleâ€Walled Carbon Nanotubes: Implications for Intraâ€Articular Delivery. Advanced Healthcare Materials, 2018, 7, e1700916. | 7.6 | 14 |
| 20 | Graphene oxide is degraded by neutrophils and the degradation products are non-genotoxic. Nanoscale, 2018, 10, 1180-1188. | 5.6 | 148 |
| 21 | Cytotoxicity screening and cytokine profiling of nineteen nanomaterials enables hazard ranking and grouping based on inflammogenic potential. Nanotoxicology, 2017, 11, 809-826. | 3.0 | 62 |
| 22 | Single-Walled Carbon Nanotubes Inhibit the Cytochrome P450 Enzyme, CYP3A4. Scientific Reports, 2016, 6, 21316. | 3.3 | 43 |
| 23 | Skeletal Mineralization Deficits and Impaired Biogenesis and Function of Chondrocyte-Derived Matrix Vesicles in Phospho1â€“/â€“ and Phospho1/Pit1 Double-Knockout Mice. Journal of Bone and Mineral Research, 2016, 31, 1275-1286. | 2.8 | 53 |
| 24 | Biological interactions of carbon-based nanomaterials: From coronation to degradation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 333-351. | 3.3 | 322 |
| 25 | Nanodrugs to target articular cartilage: An emerging platform for osteoarthritis therapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 255-268. | 3.3 | 50 |
| 26 | Lactoperoxidase-mediated degradation of single-walled carbon nanotubes in the presence of pulmonary surfactant. Carbon, 2015, 91, 506-517. | 10.3 | 49 |
| 27 | Dual effects of Î²-cyclodextrin-stabilised silver nanoparticles: enhanced biofilm inhibition and reduced cytotoxicity. Journal of Materials Science: Materials in Medicine, 2015, 26, 5367. | 3.6 | 43 |
| 28 | Keeping it real: The importance of material characterization in nanotoxicology. Biochemical and Biophysical Research Communications, 2015, 468, 498-503. | 2.1 | 65 |
| 29 | Shifting identities of metal oxide nanoparticles: Focus on inflammation. MRS Bulletin, 2014, 39, 970-975. | 3.5 | 8 |
| 30 | Enzymatic â€˜strippingâ€™ and degradation of PEGylated carbon nanotubes. Nanoscale, 2014, 6, 14686-14690. | 5.6 | 54 |
| 31 | Extracellular entrapment and degradation of single-walled carbon nanotubes. Nanoscale, 2014, 6, 6974. | 5.6 | 60 |
| 32 | Mechanisms of carbon nanotube-induced toxicity: Focus on pulmonary inflammation. Advanced Drug Delivery Reviews, 2013, 65, 2087-2097. | 13.7 | 126 |
| 33 | Non-cytotoxic antibacterial silverâ€“coumarin complex doped solâ€“gel coatings. Colloids and Surfaces B: Biointerfaces, 2013, 102, 412-419. | 5.0 | 23 |
| 34 | Geoengineering: Perilous Particles. Science, 2013, 340, 548-549. | 12.6 | 16 |
| 35 | Comparison of Micro- and Nanoscale Fe+3â€“Containing (Hematite) Particles for Their Toxicological Properties in Human Lung Cells In Vitro. Toxicological Sciences, 2012, 126, 173-182. | 3.1 | 47 |
| 36 | Reactive oxygen species mediated DNA damage in human lung alveolar epithelial (A549) cells from exposure to non-cytotoxic MFI-type zeolite nanoparticles. Toxicology Letters, 2012, 215, 151-160. | 0.8 | 41 |

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|---|---|---|---|
| 37 | Collagen matrices as an improved model for in vitro study of live cells using Raman microspectroscopy. Proceedings of SPIE, 2011, , . | 0.8 | 2 |
| 38 | Nanoparticles Induce Changes of the Electrical Activity of Neuronal Networks on Microelectrode Array Neurochips. Environmental Health Perspectives, 2010, 118, 1363-1369. | 6.0 | 77 |
| 39 | Study of Live Cells Grown on Three Dimensional Collagen Gels Using Raman Microspectroscopy. , 2010, , . | | 0 |
| 40 | Intracellular localisation, geno- and cytotoxic response of polyN-isopropylacrylamide (PNIPAM) nanoparticles to human keratinocyte (HaCaT) and colon cells (SW 480). Toxicology Letters, 2010, 198, 134-143. | 0.8 | 80 |
| 41 | Imaging live cells grown on a three dimensional collagen matrix using Raman microspectroscopy. Analyst, The, 2010, 135, 3169. | 3.5 | 58 |
| 42 | Three dimensional collagen gels as a cell culture matrix for the study of live cells by Raman spectroscopy. Analyst, The, 2010, 135, 1697. | 3.5 | 26 |
| 43 | Titanium dioxide nanoparticles induce oxidative stress and DNA-adduct formation but not DNA-breakage in human lung cells. Particle and Fibre Toxicology, 2009, 6, 17. | 6.2 | 274 |
| 44 | Vanadium Pentoxide-Coated Ultrafine Titanium Dioxide Particles Induce Cellular Damage and Micronucleus Formation in V79 Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2008, 71, 976-980. | 2.3 | 26 |
| 45 | Oxidative Stress and Changed Gene Expression Profiles in Fiber-/Particle-Induced Carcinogenesis. International Journal of Human Genetics, 2007, 7, 1-21. | 0.1 | 9 |
| 46 | Biomarkers in risk assessment of asbestos exposure. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2005, 579, 6-21. | 1.0 | 29 |
| 47 | ROS-mediated genotoxicity of asbestos-cement in mammalian lung cells in vitro. Particle and Fibre Toxicology, 2005, 2, 9. | 6.2 | 30 |
| 48 | Reduction of chrysotile asbestos-induced genotoxicity in human peripheral blood lymphocytes by garlic extract. Toxicology Letters, 2004, 153, 327-332. | 0.8 | 13 |
| 49 | Role of PHOSPHO1 in chondrocyte matrix vesicle mineralization: an AFM study. Bone Abstracts, 0, , . | 0.0 | 0 |